

INTERNATIONAL SEARCH REPORT

International Application No
ST/DK2004/000859

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/31 C12N15/75 C12N1/21 C07K14/32 C12P21/02
C12N9/28 C12N15/56
/(C12N1/21,C12R1:07)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, EMBL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/04007 A (GENENCOR INTERNATIONAL, INC; GENENCOR INTERNATIONAL B.V; QUAX, WILHELM) 28 January 1999 (1999-01-28) the whole document	1-6, 12-26
X	WO 94/19471 A (THE FINNISH NATIONAL PUBLIC HEALTH INSTITUTE; KONTINEN, VESA; SARVAS,) 1 September 1994 (1994-09-01) the whole document	1-6, 12-26
	----- -/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

14 March 2005

Date of mailing of the international search report

01/04/2005

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CT/DK2004/000859

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEN L ET AL: "Bacillus subtilis MrgA is a Dps(PexB) homologue: evidence for metalloreulation of an oxidative-stress gene." MOLECULAR MICROBIOLOGY. OCT 1995, vol. 18, no. 2, October 1995 (1995-10), pages 295-300, XP002319117 ISSN: 0950-382X abstract page 299, left-hand column, paragraph 3 -----	1-5,7-11
A	VAN WELY K H ET AL: "The carboxyl terminus of the Bacillus subtilis SecA is dispensable for protein secretion and viability." MICROBIOLOGY (READING, ENGLAND) OCT 2000, vol. 146 (Pt 10), October 2000 (2000-10), pages 2573-2581, XP002319104 ISSN: 1350-0872 cited in the application abstract page 2578, left-hand column -----	1-26
A	DATABASE EMBL 8 September 1993 (1993-09-08), CHEN L. ET AL.: "Bacillus subtilis MrgA (mrgA) gene, complete cds and orf, partial cds." XP002319105 Database accession no. L19547 the whole document -----	1-26

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

CT/DK2004/000859

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9904007	A	28-01-1999	AU 8493198 A	10-02-1999
			CA 2296689 A1	28-01-1999
			EP 1003873 A1	31-05-2000
			JP 2001510047 T	31-07-2001
			WO 9904007 A1	28-01-1999
			US 6258563 B1	10-07-2001
			US 2002006641 A1	17-01-2002
WO 9419471	A	01-09-1994	AU 6142694 A	14-09-1994
			CA 2156425 A1	01-09-1994
			CN 1120853 A ,C	17-04-1996
			EP 0686195 A1	13-12-1995
			FI 954010 A	25-10-1995
			WO 9419471 A1	01-09-1994
			JP 8507207 T	06-08-1996
			JP 2004350691 A	16-12-2004
			US 5780261 A	14-07-1998